

WEB API

1. Introduction	3
1.1. Authentication.....	3
1.1.1 Authentication on behalf of user	3
1.2. ECR Token based data validation	3
1.3. Pagination	4
1.4. Filtering.....	4
1.5. Successful status codes	4
1.6. Errors.....	4
1.7. Migrating from v2	5
2. Endpoints	7
2.1. Authorization endpoints	7
2.1.1. Get access token.....	7
2.1.2. Refresh access token.....	8
2.1.3. Redeem Terminal.....	9
2.4. Version Endpoints	10
2.4.1. Get version of application.....	10
2.5. Profile Endpoints	10
2.5.1. Get my profile	10
2.5.2. Get my info	10
2.6. Terminal Endpoints	11
2.6.1. Terminal Bind	11
2.6.2. Terminal session key exchange.....	12
2.6.3. Start new transaction intent.....	13
2.6.4. Transaction Void Intent	24
2.6.8. Get Users Terminals	26
2.6.9. Get Users Terminal	27
2.7. Transaction Intent Endpoints	27
2.7.1. Transaction Intent List.....	27
2.7.2. Get transaction intent by id	38
2.8. Transaction Endpoints	39

Version 3.0

Date: May 7, 2025

2.8.1. Transaction List	39
2.8.2. Get transaction by id	46

1. Introduction

1.1. Authentication

All API requests must be authenticated and authorized. This is done using JWT bearer tokens (access and refresh tokens). The access token should be included in the "Authorization" header for all subsequent requests, formatted as:

Authorization: Bearer <JWT access token>

The refresh token allows you to obtain a new access token without needing to provide the username and password again.

1.1.1 Authentication on behalf of user

In case the client software has acquired additional merchant permissions (3rd party servicer permissions workflow), these permissions are granted with the usage of an Api key. The API key needs to be included in the "X-API-Key" header on all calls:

Authorization: Bearer <JWT access token>
X-API-Key: <API Key>

The client software can save/cache the API key and use it to start transactions at any point in time. The merchant has the ability to revoke the access permissions at any time, so the Api key may become invalid. In this case, the client software should handle this as an error condition.

1.2. ECR Token based data validation

If the client software uses a local device for signature generation (ΦΗΜΑΣ) instead of an electronic invoicing provider, an alternative workflow must be followed to accommodate the device's capabilities and operational mode.

1. The calling software should invoke the terminal bind endpoint (section [2.2.1. Terminal Bind](#)) to register the POS as connected to the ECR device. This step must be performed at least once.
2. Next, the terminal key exchange (section [2.2.2. Terminal session key exchange](#)) must be called to exchange session keys with the ECR device. This call is mandatory at least once and is strongly recommended to occur periodically after a set number of transactions.

3. Afterward, transactions can be initiated as usual by calling the start new transaction intent endpoint and populating the EcrTokenData structure.

1.3. Pagination

Some calls that typically return multiple results are paginated. The pagination scheme is common for all paginated responses and is as follows:

Parameter	Type	Comment
count	integer	total results count
next	string	url that should be called to retrieve the next page
previous	string	url that should be called to retrieve the previous page
results	list	the list that contains the actual results

1.4. Filtering

Calls that return multiple results support result filtering. The filtering is implemented using GET query parameters in the following format. For example, to search for a terminal entity with Terminal = 01234002 use the following GET query:

[https://\[baseURL\]/transactionintent?Terminal=01234002](https://[baseURL]/transactionintent?Terminal=01234002)

1.5. Successful status codes

Some generic error codes of the application are presented below:

Code	Description
200	Request was successful
201	New entity has been created successfully
204	Entity has been deleted successfully from the system

1.6. Errors

Some generic error codes of the application are presented below:

Code	Description	Comment
400	Bad request	Usually some input of the user is not correct
403	Forbidden	User is unauthorized for this endpoint
404	Resource not found	The endpoint cannot find the resource For example if the transaction id does not exist in the path of the endpoint
409	Entity already exists	Usually when users try to create an entity that already exists For example a terminal that already exists in the system
415	Unsupported media type	Usually for endpoints that insert to the database entries via excel file
500	Internal Server Error	Generic error on the side of the web service

Error in the API response has the following format:

Parameter	Type	Comment
Status	string	Status result (e.g. NOT_FOUND)
Time	string	Generated datetime
Path	string	Path of endpoint
Method	string	Method of the REST endpoint (e.g. GET)
Errors	list	List of Errors (contain JSONObject with key Message), Message has details about the error

1.7. Migrating from v2

In the previous version, API requests were authenticated only by an access token retrieved through the [Get access token](#) endpoint.

For security reasons, an enrollment process of the device must be followed.

To enroll a device, the following steps are required to be followed:

1. Start the payment application on the device.
2. Navigate to the payment application settings

3. Navigate to “ΑΑΔΕ Settings / Ρυθμίσεις ΑΑΔΕ” and then “Terminal Management / Διαχείριση Τερματικών”
4. Select “Enroll Terminal / Εγγραφή Τερματικού”. An authentication code is shown on the device.
5. The authentication code must be redeemed from the client software through the [Redeem Terminal](#) endpoint where an API Key is retrieved.
6. The client software must save the API Key and use it for the rest of the integration lifetime.

For more information, see [1.1.1 Authentication on behalf of user](#).

2. Endpoints

2.1. Authorization endpoints

2.1.1. Get access token

Request type: POST
Request URL: [base url]/token

Request parameters

Parameter	Type	Required	Comment
username	string	yes	
password	string	yes	

Request sample

```
{  
  "username": "testuser",  
  "password": "testpass"  
}
```

Response parameters

Parameter	Type	Required	Comment
access	string	yes	The access token
refresh	string	yes	The refresh token

Response sample

Version 3.0
Date: May 7, 2025

```
{
  "Access":
"eyJhbGciOiJIUzI1NiJ9.eyJzdWIiOiJ0dHNhdHNhbmIzQCI6MTcyNTU0NDI4NywiZXhwIjoxNzI1NTQ3ODg3fQ.
SC_AgUluKd4wLEcx8EjDH1B_XUIvjaFeQ3A2VYfLVwE",
  "Refresh":
"eyJhbGciOiJIUzI1NiJ9.eyJzdWIiOiJ0dHNhdHNhbmIzQCI6MTcyNTU0NDI4NywiZXhwIjoxNzI1NjMwNjg3fQ.
9n_YMAPi9c7jm61oBboFwywoXCfiHJYUXfd_6XxcPig"
}
```

2.1.2. Refresh access token

Request type: POST
Request URL: [base url]/token/refresh

Request parameters

Parameter	Type	Required	Comment
refresh	string	yes	The previously acquired refresh token

Request sample

```
{
  "refresh":
"eyJhbGciOiJIUzI1NiJ9.eyJzdWIiOiJ0dHNhdHNhbmIzQCI6MTcyNTU0NDI4NywiZXhwIjoxNzI1NjMwNjg3fQ.
9n_YMAPi9c7jm61oBboFwywoXCfiHJYUXfd_6XxcPig"
}
```

Response parameters

Parameter	Type	Required	Comment
access	string	yes	The new access token
refresh	string	yes	The new refresh token

Response sample

```
{
  "access":
"eyJhbGciOiJIUzI1NiJ9.eyJzdWIiOiJ0dHNhdHNhbmIzQCI6MTcyNTU0NDgyMiwiZXhwIjoxNzI1NTQ4NDIyfQ.
Lv-TH_VBQMwnRah4Y39PJ6497aRaZJ4jZQ5isFpB7D8",
  "refresh":
"eyJhbGciOiJIUzI1NiJ9.eyJzdWIiOiJ0dHNhdHNhbmIzQCI6MTcyNTU0NDgyMiwiZXhwIjoxNzI1NTQ4NDIyfQ.
Lv-TH_VBQMwnRah4Y39PJ6497aRaZJ4jZQ5isFpB7D8"
```


Version 3.0
Date: May 7, 2025

```
"refresh":  
"eyJhbGciOiJIUzI1NiJ9.eyJzdWIiOiJ0dHNhdHNhbmIzQCI6MTcyNTU0NDI4NywiZXhwIjoxNzI1NjMwNjg3fQ.  
9n_YMAPi9c7jm61oBboFwywoXCfiHJYUXfd_6XxcPig"  
}
```

2.1.3. Redeem Terminal

Request type: POST
Request URL: [base url]/authorization/redeem

Request parameters

Parameter	Type	Required	Comment
Type	string	yes	Always set to "webecr"
Code	string	yes	Code to be redeemed

Request sample

```
{  
  "Type": "webecr"  
  "Code": "ABC123"  
}
```

Response parameters

Parameter	Type	Required	Comment
Id	string	yes	The API key that should be used for all subsequent API calls
Type	string	yes	Always set to "webecr"

Response sample

```
{  
  "Id": "1234567",  
  "Type": "webecr"  
}
```

2.4. Version Endpoints

2.4.1. Get version of application

Request type: GET

Request URL: [base url]/version

Response sample

```
1.0.0
```

2.5. Profile Endpoints

2.5.1. Get my profile

Request type: GET

Request URL: [base url]/me

Response sample

```
{
  "Username": "dummy@mail.com",
  "Roles": [
    "CLIENT"
  ]
}
```

2.5.2. Get my info

Request type: GET

Request URL: [base url]/my-info

Response sample

```
{
  "Username": "string",
  "Roles": [
    "string"
  ],
  "Acquirer": {
    "Id": "string",
    "Name": "string"
  }
}
```

2.6. Terminal Endpoints

2.6.1. Terminal Bind

Request type: POST

Request URL: [base url]/terminal/{id}/ecrbind

Request parameters

Parameter	Type	Required	Comment
EcrId	string	yes	The unique ECR id of the device to be bound.

Request sample

```
{  
  "EcrId": "DCN99999901"  
}
```

Response parameters

Parameter	Type	Required	Comment
EcrId	string	yes	The unique ECR id as reflected from the request.

Response sample

```
{  
  "EcrId": "DCN99999901"  
}
```

Note

If the terminal is already bound and the endpoint is called using the same EcrId, no action is taken. However, if a different EcrId is provided, the previous EcrId is replaced, and the device is bound to the new one.

2.6.2. Terminal session key exchange

Request type: POST

Request URL: [base url]/terminal/{id}/ecrkeyexchange

Request parameters

Parameter	Type	Required	Comment
EcrId	string	yes	The unique ECR id of the device to be bound.
SessionKey	string	yes	The new session key to be used for all future authentication. The previous session key (if it exists) is deleted.
Kcv	string	yes	The key check value generated with this key. Used to validate the correctness of the session key.

Request sample

```
{  
  "EcrId": "DCN99999955",  
  "SessionKey": "63EE564759F9611A97ACBD4010C91827",  
  "Kcv": "a52e67"  
}
```

Response parameters

Parameter	Type	Required	Comment
EcrId	string	yes	The unique ECR id of the device that was bound with the POS reflected from the request.
SessionKey	string	yes	The session key that was loaded - reflected from the request.
Kcv	string	yes	The key check value of the key that was loaded - reflected from the request.

Response sample

```
{  
  "EcrId": "DCN99999955",  
  "SessionKey": "63EE564759F9611A97ACBD4010C91827",  
  "Kcv": "a52e67"  
}
```

2.6.3. Start new transaction intent

The endpoint is used to start a new transaction by creating an intent.

Request type: POST

Request URL: [base url]/terminal/{id}/txninit

Request parameters

Parameter	Type	Required	Comment
TxnType	integer	yes	The transaction type. See transaction type table below for possible values.
Amount	integer	yes	The payable transaction amount in integer form. Ex. 1.00 euro is 100.
TipAmount	integer	no	The tip amount in integer form. Ex. 1.00 euro is 100.
CashbackAmount	integer	no	The cashback amount in integer form. Ex. 1.00 euro is 100.
CurrencyCode	integer	yes	The ISO 4217 numeric currency code. 978 for EUR.
Installments	integer	no	The number of installments.
IsTaxFree	boolean	no	Is the transaction eligible for tax-free regulation?
PreloadTransaction	boolean	no	The transaction should be preloaded to the POS device for asynchronous execution. Used for cases such as restaurants, deliveries, coffee shops etc.
PreloadExpiration	integer	no	The expiration of a transaction that is preloaded to a POS, in minutes. (Not supported in current version)

Parameter	Type	Required	Comment
OnBehalfCollection	boolean	no	The payee collects the transaction funds on behalf of another entity, ex. courier payment on delivery, food delivery platforms.
CustomerReference	string	yes	A caller-defined reference which can be used to reference the intent and eventually the transaction. Maximum length of 50 characters.
CustomerEmail	string	no	If provided and supported by the acquirer, a transaction receipt will be sent to this email address. (Not supported in current version)
CustomerPhone	string	no	If provided and supported by the acquirer, a transaction receipt will be sent to this phone. (Not supported in current version)
InitialTransaction	string	no	Required for pre-auth completion and refund transactions and it should include the TransactionId field of the original transaction.
ProviderData	ProviderData	no	A data object representing the relevant data required by Greek law to accompany a provider signature based transaction request.
EcrTokenData	EcrTokenData	no	A data object representing the relevant data required by Greek law to accompany an ECR token MAC based transaction request.
Timeout	integer	no	If present, the service will wait up to "Timeout" seconds before returning to the caller. If timeout is not present, it is set by default to 180s. Valid Range between 30 and 180

Response parameters

Parameter	Type	Required	Comment
id	string	yes	The unique identifier of the intent for the POS backend.
Status	integer	yes	The intent status.
Result	integer	yes	The intent result.
TxnType	integer	yes	The transaction type.
Amount	integer	yes	The payable transaction amount in integer form. Ex. 1.00 euro is 100.
TipAmount	integer	yes	The tip amount in integer form. Ex. 1.00 euro is 100.
CurrencyCode	integer	yes	The ISO 4217 numeric currency code. 978 for EUR.
Instalments	integer	no	The number of installments.
CustomerReference	string	yes	The caller-defined reference which can be used to reference the intent and eventually the transaction. Maximum length of 50 characters.
Terminal	string	yes	Reference to the terminal which this intent was sent to.
CustomerEmail	string	no	Email that a receipt was/is going to be sent.
CustomerPhone	string	no	Phone that a receipt was/is going to be sent.
Transaction	transaction	no	Contains the transaction result details - only applicable if result=APPROVED.
InitialTransaction	transaction	no	Contains the initial transaction details - only applicable if TxnType is a refund or pre-authorization completion.
TransactionId	string	no	The unique transaction id required in the Greek market as mandated and defined by law.

Transaction Type

The possible values for the transaction type are:

- 0: Sale
- 1: Refund
- 2: Pre-authorisation
- 3: Pre-authorisation completion
- 4: Mail order/Telephone order
- 5: Cash advance
- 6: Card payment
- 7: Bill payment
- 8: Other payment
- 9: Prepayment
- 10: Void

Intent status

The possible values for the intent status are:

- 1: PENDING - Intent has been registered to the backend and is pending to be sent to the device
- 2: SENT - Intent has been sent to the device
- 3: COMPLETED - Intent has been successfully completed by the device and has registered the results

Intent result

The possible values for the intent result are:

- 1: APPROVED - The transaction has been completed and approved by the authorization system
- 2: DECLINED - The transaction has been completed and declined by the authorization system
- 3: CANCELED - The transaction has been canceled by the POS user before reaching completion
- 4: FAILED - The transaction has failed to complete
- 5: UNKNOWN - The transaction result is unknown
- 6: BUSY - The transaction has failed because the POS is currently unavailable for transactions (either processing another transaction or under maintenance)
- 7: MAX_TRANSACTIONS - The POS device has reached its transaction limit for the specific batch. Batch closing should be performed on the device before continuing transactions

Provider Data

The provider data is an object that includes the provider's signature and the necessary details for signature validation, as specified by the applicable Greek law. It contains the following information.

Parameter	Type	Required	Comment
Uid	string	yes	The UID of the invoice.
Mark	string	no	
SignatureTimestamp	string	yes	The generation timestamp of ProviderSignature in the same format as in the signature itself, namely YYYYMMDDhhmmss in Greece local time.
NetAmount	integer	yes	The price of goods without any VAT applied to it.
VatAmount	integer	yes	The amount of VAT that is applied to the net amount.
TotalAmount	integer	yes	The amount of VAT that is applied to the net amount.
ProviderId	integer	yes	The id of the electronic invoicing provider. It is required for public key lookup.
Signature	string	yes	The electronic invoicing provider signature. Required when a provider signature validation process is used.

The WebECR server uses the data from the following fields in order to perform the validation:

- ProviderData.Uid
- ProviderData.Mark
- ProviderData.SignatureTimestamp
- Amount
- ProviderData.NetAmount
- ProviderData.VatAmount
- ProviderData.TotalAmount
- TID (not included in request but referenced in the URL)

ECR Token Data

The ECR Token data is an object that offers the same functionality as provider data and is used in scenarios where symmetric cryptography is required for transaction validation. It includes the following information.

Parameter	Type	Required	Comment
AmountCommand	string	yes	The AMOUNT command as it was received and signed by a compliant device according to Greek law.

Note

To ensure consistency with socket-based implementations, validation via the ECR token requires a valid AMOUNT command. This command is verified for protocol-level accuracy, data consistency against the main structure of the /txninit endpoint, and cryptographic integrity. For an ECR token data transaction initiation to be successful, the caller must first complete the steps as outlined.

Sample Request for Sale TxnType

```
{
  "TxnType": 0,
  "Amount": 3200,
  "CashbackAmount": 0,
  "CurrencyCode": 978,
  "CustomerReference": "c265b121-a5b7-4ff4-a14a-82399fde5678",
  "Timeout": 180,
  "CustomerEmail": "",
  "CustomerPhone": "",
  "ProviderData": {
    "Uid": "C071D154B14E5ABA0EA0C681BF50987BF43DL6ZC",
    "Mark": null,
    "SignatureTimestamp": "20240827132616",
    "NetAmount": "2200",
    "VatAmount": "1000",
    "TotalAmount": "3200",
    "Signature":
"MEUCIF8KquKe3BNIYPLkQut5aR5uzjrjL24Cc3i+n+Dppn3wAiEA2xg7VG2W+y//61kZx/pGQhku0zow+FnzsK39MjDx5Es=
",
    "ProviderId": "1122"
  }
}
```

Sample Response for Sale TxnType

Version 3.0
Date: May 7, 2025

```
{
  "Status": 3,
  "Result": 1,
  "TxnType": 0,
  "Amount": 3200,
  "TipAmount": 0,
  "CurrencyCode": 978,
  "Instalments": 0,
  "CustomerReference": "c265b121-a5b7-4ff4-a14a-82399fde5678",
  "Terminal": "01234002",
  "CustomerEmail": "",
  "CustomerPhone": "",
  "Transaction": {
    "Id": "e17ac617-ec9b-4223-be8d-6aa8886076af",
    "TxnType": 0,
    "Timestamp": "2024-09-05T17:39:08Z",
    "VoidTimestamp": null,
    "CardPAN": "559852*****1568",
    "Approved": true,
    "Voided": false,
    "BatchNumber": 1,
    "Acquirer": "108",
    "Amount": 3200,
    "TipAmount": 0,
    "CashbackAmount": 0,
    "LoyaltyRedemptionAmount": 0,
    "Installments": 0,
    "AuthCode": "000000",
    "OriginalRRN": null,
    "OriginalAuthCode": null,
    "CurrencyCode": 978,
    "CustomerReference": "c265b121-a5b7-4ff4-a14a-82399fde5678",
    "STAN": 1,
    "TID": "01234002",
    "MID": "E000000101",
    "RRN": "462771603966"
  },
  "InitialTransaction": null,
  "TransactionId": "108:462771603966:000000",
  "id": "c797962f-d345-49ec-90d1-ce7368230656"
}
```

Sample Request for Sale TxnType Preload

```
{
  "TxnType": 0,
  "PreloadTransaction": true,
  "Amount": 3200,
  "CashbackAmount": 0,
  "CurrencyCode": 978,
  "CustomerReference": "c265b121-a5b7-4ff4-a14a-82399fde5678",
  "Timeout": 180,
}
```

Version 3.0

Date: May 7, 2025

```
"CustomerEmail": "",
"CustomerPhone": "",
"ProviderData": {
  "Uid": "E071D154B14E5ABA0EA0C681BF50987BF43DL6ZK",
  "Mark": null,
  "SignatureTimestamp": "20240827132616",
  "NetAmount": "2200",
  "VatAmount": "1000",
  "TotalAmount": "3200",
  "Signature":
"MEUCIQD+Dig9pgofE0flfrSKwc7zR79DIS0pv6mNLWnroMeljwIgZAKvaq9Zu67I7z5KhUVuZJT/Ag9Ex/H9x0dgrkr/rgM=
",
  "ProviderId": "1122"
}
}
```

Sample Response for Sale TxnType Preload

```
{
  "Status": 1,
  "Result": 5,
  "TxnType": 0,
  "Amount": 3200,
  "TipAmount": 0,
  "CurrencyCode": 978,
  "Instalments": 0,
  "CustomerReference": "c265b121-a5b7-4ff4-a14a-82399fde5678",
  "Terminal": "01234002",
  "CustomerEmail": "",
  "CustomerPhone": "",
  "Transaction": {
    "Id": "c1090ef6-c52f-4972-8ef5-66dacd1566b5",
    "TxnType": 0,
    "Timestamp": "2024-09-05T17:41:36Z",
    "VoidTimestamp": null,
    "CardPAN": null,
    "Approved": false,
    "Voided": false,
    "BatchNumber": null,
    "Acquirer": "103",
    "Amount": 3200,
    "TipAmount": 0,
    "CashbackAmount": 0,
    "LoyaltyRedemptionAmount": 0,
    "Installments": 0,
    "AuthCode": null,
    "OriginalRRN": null,
    "OriginalAuthCode": null,
    "CurrencyCode": 978,
    "CustomerReference": "c265b121-a5b7-4ff4-a14a-82399fde5678",
    "STAN": null,
    "TID": "01234002",
  }
}
```

Version 3.0

Date: May 7, 2025

```
    "MID": "E000000101",
    "RRN": null
  },
  "InitialTransaction": null,
  "TransactionId": null,
  "id": "fab2c26b-04de-4b3b-80f8-600131490056"
}
```

□

Sample Request for Refund TxnType

```
□{
  "TxnType": 1,
  "Amount": 3200,
  "CashbackAmount": 0,
  "CurrencyCode": 978,
  "CustomerReference": "c265b121-a5b7-4ff4-a14a-82399fde5678",
  "Timeout": 180,
  "CustomerEmail": "",
  "CustomerPhone": "",
  "InitialTransaction": "108:462771603966:000000",
  "ProviderData": {
    "Uid": "E071D154B14E5ABA0EA0C681BF50987BF43DL6Z0",
    "Mark": null,
    "SignatureTimestamp": "20240827132616",
    "NetAmount": "2200",
    "VatAmount": "1000",
    "TotalAmount": "3200",
    "Signature":
"MEYCIQCs fJi9AIpkyR4AG+TNQFxFe brVkw/7iTqf10c4xNb lA i hAJ3Loi60IR4A0vUR7SiVESWRJ0HkmZzFdcPzX+JOnqni
",
    "ProviderId": "1122"
  }
}
```

□

Sample Response for Refund TxnType

```
□{
  "Status": 3,
  "Result": 1,
  "TxnType": 1,
  "Amount": -3200,
  "TipAmount": 0,
  "CurrencyCode": 978,
  "Instalments": 0,
  "CustomerReference": "c265b121-a5b7-4ff4-a14a-82399fde5678",
  "Terminal": "01234002",
  "CustomerEmail": "",
  "CustomerPhone": "",
  "Transaction": {
    "Id": "b6a93f12-909a-449c-832f-8517916a538b",
    "TxnType": 1,
  }
}
```

Version 3.0

Date: May 7, 2025

```
    "Timestamp": "2024-09-05T17:46:53Z",
    "VoidTimestamp": null,
    "CardPAN": "559852*****1568",
    "Approved": true,
    "Voided": false,
    "BatchNumber": 1,
    "Acquirer": "138",
    "Amount": -3200,
    "TipAmount": 0,
    "CashbackAmount": 0,
    "LoyaltyRedemptionAmount": 0,
    "Installments": 0,
    "AuthCode": "222222",
    "OriginalRRN": "462771603966",
    "OriginalAuthCode": "000000",
    "CurrencyCode": 978,
    "CustomerReference": "c265b121-a5b7-4ff4-a14a-82399fde5678",
    "STAN": 1,
    "TID": "01234002",
    "MID": "E000000101",
    "RRN": "918442254274"
  },
  "InitialTransaction": {
    "Id": "e17ac617-ec9b-4223-be8d-6aa8886076af",
    "TxnType": 0,
    "Timestamp": "2024-09-05T17:39:08Z",
    "VoidTimestamp": null,
    "CardPAN": "559852*****1568",
    "Approved": true,
    "Voided": false,
    "BatchNumber": 1,
    "Acquirer": "108",
    "Amount": 3200,
    "TipAmount": 0,
    "CashbackAmount": 0,
    "LoyaltyRedemptionAmount": 0,
    "Installments": 0,
    "AuthCode": "000000",
    "OriginalRRN": null,
    "OriginalAuthCode": null,
    "CurrencyCode": 978,
    "CustomerReference": "c265b121-a5b7-4ff4-a14a-82399fde5678",
    "STAN": 1,
    "TID": "01234002",
    "MID": "E000000101",
    "RRN": "462771603966"
  },
  "TransactionId": "138:918442254274:222222",
  "id": "2439b516-47c9-46bc-b87c-a897123579f4"
}
```

Sample Request with EcrTokenData

Version 3.0

Date: May 7, 2025

```
{
  "TxnType": 0,
  "Amount": 100,
  "CashbackAmount": 0,
  "CurrencyCode": 978,
  "CustomerReference": "c039m182-a5b8-2204-LV2a-106r725tIL6",
  "Timeout": 180,
  "CustomerEmail": "",
  "CustomerPhone": "",
  "EcrTokenData": {
    "AmountCommand":
"ECR0110A/S000006/F100:978:2/D20241212185306/RDCN99999901/H1/T1/M0/QBE4A25A9"
  }
}
```

2.6.4. Transaction Void Intent

This endpoint is used to initiate a new intent to void a transaction. The caller must reference the transaction to be voided, either by using the original transaction intent or the transaction ID. Both values can be obtained from the response of the original successful intent or by querying the intent or transaction endpoints.

Request type: POST

Request URL: [base url]/terminal/{id}/txnvoid

Request parameters

Parameter	Type	Required	Comment
OriginalIdentifier	string	yes	The identifier of the original intent.
OriginalIdentifierType	integer	yes	The type of identifier contained in the OriginalIdentifier field.
CustomerEmail	string	no	If provided and supported by the acquirer, a transaction receipt will be sent to this email address.
CustomerPhone	string	no	If provided and supported by the acquirer, a transaction receipt will be sent to this phone.
Timeout	integer	no	If present, the service will wait up to "Timeout" seconds before returning to the caller. If timeout is not present, it is set by default to 180s. Valid Range between 30 and 180

Response parameters

Parameter	Type	Required	Comment
id	string	yes	The unique identifier of the intent for the POS backend.
Status	integer	yes	The intent status.
Result	integer	yes	The intent result.
Terminal	string	yes	Reference to the terminal which this intent was sent to.
CustomerEmail	string	no	Email that a receipt was/is going to be sent.
CustomerPhone	string	no	Phone that a receipt was/is going to be sent.
Transaction	transaction	no	Contains the transaction result details - only applicable if result = APPROVED.
InitialTransaction	transaction	no	Contains the initial transaction details - only applicable if TxnType = refund or pre-authorization completion.

OriginalIdentifierType

For quick reference of the original transaction, the API allows for multiple ways to identify the original transaction, depending on the OriginalIdentifierType. Possible values:

- 1: INTENTID - The field contains the field "Id" of the original intent to be voided
- 2: TRANSACTIONID - The field contains the field "TransactionId" of the original intent to be voided.

Sample Request for INTENTID

```
{
  "OriginalIdentifierType": 1,
  "OriginalIdentifier": "ebef1a20-9681-4f48-919a-ffe624d5390a",
  "CustomerEmail": "",
  "CustomerPhone": ""
}
```

Sample Request for TRANSACTIONID

Version 3.0

Date: May 7, 2025

```
{
  "OriginalIdentifierType": 2,
  "OriginalIdentifier": "ba7390e0-0043-4f47-a3fc-9e3fa123265c",
  "CustomerEmail": "",
  "CustomerPhone": ""
}
```

Sample Response

```
{
  "Status": 3,
  "Result": 1,
  "Terminal": "01234002",
  "CustomerEmail": "",
  "CustomerPhone": "",
  "Transaction": {
    "Id": "35a3e0c7-77bb-423e-ae0e-5c744f62b58e",
    "TxnType": 0,
    "Timestamp": "2024-09-05T18:01:59Z",
    "VoidTimestamp": null,
    "CardPAN": "559852*****1568",
    "Approved": true,
    "Voided": false,
    "BatchNumber": 1,
    "Acquirer": "108",
    "Amount": -3200,
    "TipAmount": 0,
    "CashbackAmount": 0,
    "LoyaltyRedemptionAmount": 0,
    "Installments": 0,
    "AuthCode": "777777",
    "OriginalRRN": null,
    "OriginalAuthCode": null,
    "CurrencyCode": 978,
    "CustomerReference": "c265b121-a5b7-4ff4-a14a-82399fde5678",
    "STAN": 1,
    "TID": "01234002",
    "MID": "E000000101",
    "RRN": "816631611855"
  },
  "InitialTransaction": null,
  "id": "97f5d794-822e-41c2-b639-211689546e84"
}
```

2.6.8. Get Users Terminals

Request type: GET

Request URL: [base url]/terminal

2.6.9. Get Users Terminal

Request type: GET

Request URL: [base url]/terminal/{id}

2.7. Transaction Intent Endpoints

2.7.1. Transaction Intent List

This endpoint is used to retrieve a list of all transaction intents created and accessible to the user. It should be used if the "start transaction intent" call has timed out or was asynchronous, in order to determine the final status of a specific intent.

Request type: GET

Request URL: [base url]/transactionintent

Response parameters

Parameter	Type	Required	Comment
id	string	yes	The unique identifier of the intent for the POS backend.
Status	integer	yes	The intent status.
Result	integer	yes	The intent result.
TxnType	integer	yes	The transaction type.
Void	boolean	yes	Is this a transaction intent or a transaction void intent?
Amount	integer	yes	The transaction amount in integer form. Ex. 1.00 euro is 100
TipAmount	integer	yes	The tip amount in integer form. Ex. 1.00 euro is 100
CurrencyCode	integer	yes	The ISO 4217 numeric currency code. 978 for EUR
Instalments	integer	no	The number of instalments

Parameter	Type	Required	Comment
CustomerReference	string	yes	The caller-defined reference which can be used to reference the intent and eventually the transaction. Maximum length of 50 characters
Terminal	string	yes	Reference to the terminal which this intent was sent to
CustomerEmail	string	yes	Email that a receipt was/is going to be sent
CustomerPhone	string	yes	Phone that a receipt was/is going to be sent
Transaction	transaction	no	Reference to the transaction details of the completed transaction - only applicable if result = APPROVED
InitialTransaction	transaction	no	Reference to the transaction details of the initial transaction - only applicable if transaction type is refund or pre-auth completion
TransactionId	string	no	The unique transaction id required in the Greek market as mandated and defined by law.

Filter parameters

- Status
- Result
- TxnType
- Timestamp_min
- Timestamp_max
- Amount
- Amount_min
- Amount_max
- TipAmount
- TipAmount_min
- TipAmount_max
- Instalments
- CustomerReference
- Terminal

Version 3.0

Date: May 7, 2025

- TID
- Transaction
- InitialTransaction
- TransactionId

Response Sample

```
{
  "Count": 32,
  "Next": "http://localhost:8080/transactionintent/transaction?page=1&size=10",
  "Previous": null,
  "Results": [
    {
      "Status": 3,
      "Result": 1,
      "TxnType": 1,
      "Amount": -3200,
      "TipAmount": 0,
      "CurrencyCode": 978,
      "Instalments": 0,
      "CustomerReference": "c265b121-a5b7-4ff4-a14a-82399fde5678",
      "Terminal": "01234002",
      "CustomerEmail": "",
      "CustomerPhone": "",
      "Transaction": {
        "Id": "89ac1cda-deaf-4adc-8974-4e8c584d516e",
        "TxnType": 1,
        "Timestamp": "2024-08-23T19:03:53Z",
        "VoidTimestamp": null,
        "CardPAN": "559852*****1568",
        "Approved": true,
        "Voided": false,
        "BatchNumber": 1,
        "Acquirer": "138",
        "Amount": -3200,
        "TipAmount": 0,
        "CashbackAmount": 0,
        "LoyaltyRedemptionAmount": 0,
        "Installments": 0,
        "AuthCode": "333333",
        "OriginalRRN": "123115204868",
        "OriginalAuthCode": "333333",
        "CurrencyCode": 978,
        "CustomerReference": "c265b121-a5b7-4ff4-a14a-82399fde5678",
        "STAN": 1,
        "TID": "01234002",
        "MID": "E000000101",
        "RRN": "635024868723"
      },
      "InitialTransaction": {
        "Id": "b3b451c7-78e8-41a3-bca5-ed75f536cc8f",
```

Version 3.0

Date: May 7, 2025

```
    "TxnType": 0,
    "Timestamp": "2024-08-23T19:02:47Z",
    "VoidTimestamp": null,
    "CardPAN": "559852*****1568",
    "Approved": true,
    "Voided": false,
    "BatchNumber": 1,
    "Acquirer": "103",
    "Amount": 3200,
    "TipAmount": 0,
    "CashbackAmount": 0,
    "LoyaltyRedemptionAmount": 0,
    "Installments": 0,
    "AuthCode": "333333",
    "OriginalRRN": null,
    "OriginalAuthCode": null,
    "CurrencyCode": 978,
    "CustomerReference": "c265b121-a5b7-4ff4-a14a-82399fde5678",
    "STAN": 1,
    "TID": "01234002",
    "MID": "E000000101",
    "RRN": "123115204868"
  },
  "TransactionId": "138:635024868723:333333",
  "id": "033966da-feed-4275-91fb-1f8b144fcbf0",
  "Void": false
},
{
  "Status": 3,
  "Result": 1,
  "TxnType": 0,
  "Amount": 3200,
  "TipAmount": 0,
  "CurrencyCode": 978,
  "Instalments": 0,
  "CustomerReference": "c265b121-a5b7-4ff4-a14a-82399fde5678",
  "Terminal": "01234002",
  "CustomerEmail": "",
  "CustomerPhone": "",
  "Transaction": {
    "Id": "e090fba7-c0a8-4e58-8b45-dfd29a2336b4",
    "TxnType": 0,
    "Timestamp": "2024-08-23T20:20:49Z",
    "VoidTimestamp": "2024-08-23T20:22:46Z",
    "CardPAN": "559852*****1568",
    "Approved": true,
    "Voided": true,
    "BatchNumber": 1,
    "Acquirer": "108",
    "Amount": 3200,
    "TipAmount": 0,
    "CashbackAmount": 0,
    "LoyaltyRedemptionAmount": 0,
```

Version 3.0

Date: May 7, 2025

```
        "Installments": 0,
        "AuthCode": "555555",
        "OriginalRRN": null,
        "OriginalAuthCode": null,
        "CurrencyCode": 978,
        "CustomerReference": "c265b121-a5b7-4ff4-a14a-82399fde5678",
        "STAN": 1,
        "TID": "01234002",
        "MID": "E000000101",
        "RRN": "724228240165"
    },
    "InitialTransaction": null,
    "TransactionId": "108:724228240165:555555",
    "id": "07b31a4d-1061-4240-adbd-076ac237b672",
    "Void": false
},
{
    "Status": 3,
    "Result": 1,
    "TxnType": 1,
    "Amount": -3200,
    "TipAmount": 0,
    "CurrencyCode": 978,
    "Instalments": 0,
    "CustomerReference": "c265b121-a5b7-4ff4-a14a-82399fde5678",
    "Terminal": "01234002",
    "CustomerEmail": "",
    "CustomerPhone": "",
    "Transaction": {
        "Id": "b6a93f12-909a-449c-832f-8517916a538b",
        "TxnType": 1,
        "Timestamp": "2024-09-05T17:46:53Z",
        "VoidTimestamp": null,
        "CardPAN": "559852*****1568",
        "Approved": true,
        "Voided": false,
        "BatchNumber": 1,
        "Acquirer": "138",
        "Amount": -3200,
        "TipAmount": 0,
        "CashbackAmount": 0,
        "LoyaltyRedemptionAmount": 0,
        "Installments": 0,
        "AuthCode": "222222",
        "OriginalRRN": "462771603966",
        "OriginalAuthCode": "000000",
        "CurrencyCode": 978,
        "CustomerReference": "c265b121-a5b7-4ff4-a14a-82399fde5678",
        "STAN": 1,
        "TID": "01234002",
        "MID": "E000000101",
        "RRN": "918442254274"
    }
},
```

Version 3.0

Date: May 7, 2025

```
"InitialTransaction": {
  "Id": "e17ac617-ec9b-4223-be8d-6aa8886076af",
  "TxnType": 0,
  "Timestamp": "2024-09-05T17:39:08Z",
  "VoidTimestamp": null,
  "CardPAN": "559852*****1568",
  "Approved": true,
  "Voided": false,
  "BatchNumber": 1,
  "Acquirer": "108",
  "Amount": 3200,
  "TipAmount": 0,
  "CashbackAmount": 0,
  "LoyaltyRedemptionAmount": 0,
  "Installments": 0,
  "AuthCode": "000000",
  "OriginalRRN": null,
  "OriginalAuthCode": null,
  "CurrencyCode": 978,
  "CustomerReference": "c265b121-a5b7-4ff4-a14a-82399fde5678",
  "STAN": 1,
  "TID": "01234002",
  "MID": "E000000101",
  "RRN": "462771603966"
},
"TransactionId": "138:918442254274:222222",
"id": "2439b516-47c9-46bc-b87c-a897123579f4",
"Void": false
},
{
  "Status": 1,
  "Result": 5,
  "TxnType": 0,
  "Amount": 3200,
  "TipAmount": 0,
  "CurrencyCode": 978,
  "Instalments": 0,
  "CustomerReference": "c265b121-a5b7-4ff4-a14a-82399fde5678",
  "Terminal": "01234002",
  "CustomerEmail": "",
  "CustomerPhone": "",
  "Transaction": {
    "Id": "d9892ed1-7b52-428c-af46-87a9cd31a6a5",
    "TxnType": 0,
    "Timestamp": "2024-08-23T20:45:21Z",
    "VoidTimestamp": null,
    "CardPAN": null,
    "Approved": false,
    "Voided": false,
    "BatchNumber": null,
    "Acquirer": "103",
    "Amount": 3200,
    "TipAmount": 0,
```



```
        "CashbackAmount": 0,
        "LoyaltyRedemptionAmount": 0,
        "Installments": 0,
        "AuthCode": null,
        "OriginalRRN": null,
        "OriginalAuthCode": null,
        "CurrencyCode": 978,
        "CustomerReference": "c265b121-a5b7-4ff4-a14a-82399fde5678",
        "STAN": null,
        "TID": "01234002",
        "MID": "E000000101",
        "RRN": null
    },
    "InitialTransaction": null,
    "TransactionId": null,
    "id": "27513fad-cc40-4356-8976-dde234c604b6",
    "Void": false
},
{
    "Status": 1,
    "Result": 5,
    "TxnType": 0,
    "Amount": 3200,
    "TipAmount": 0,
    "CurrencyCode": 978,
    "Instalments": 0,
    "CustomerReference": "c265b121-a5b7-4ff4-a14a-82399fde5678",
    "Terminal": "01234002",
    "CustomerEmail": "",
    "CustomerPhone": "",
    "Transaction": {
        "Id": "4dbd56d1-3b6c-4e53-9474-83ccf09185f0",
        "TxnType": 0,
        "Timestamp": "2024-08-23T20:22:34Z",
        "VoidTimestamp": null,
        "CardPAN": null,
        "Approved": false,
        "Voided": false,
        "BatchNumber": null,
        "Acquirer": "103",
        "Amount": 3200,
        "TipAmount": 0,
        "CashbackAmount": 0,
        "LoyaltyRedemptionAmount": 0,
        "Installments": 0,
        "AuthCode": null,
        "OriginalRRN": null,
        "OriginalAuthCode": null,
        "CurrencyCode": 978,
        "CustomerReference": "c265b121-a5b7-4ff4-a14a-82399fde5678",
        "STAN": null,
        "TID": "01234002",
        "MID": "E000000101",
```

Version 3.0

Date: May 7, 2025

```
      "RRN": null
    },
    "InitialTransaction": null,
    "TransactionId": null,
    "id": "365f9dbb-3e3c-4396-9486-f5bd64e71c65",
    "Void": true
  },
  {
    "Status": 1,
    "Result": 5,
    "TxnType": 1,
    "Amount": 3200,
    "TipAmount": 0,
    "CurrencyCode": 978,
    "Instalments": 0,
    "CustomerReference": "c265b121-a5b7-4ff4-a14a-82399fde5678",
    "Terminal": "01234002",
    "CustomerEmail": "",
    "CustomerPhone": "",
    "Transaction": {
      "Id": "39cb630f-05ba-420c-9ef7-0bc8fdbfa7d6",
      "TxnType": 1,
      "Timestamp": "2024-08-30T17:42:07Z",
      "VoidTimestamp": null,
      "CardPAN": null,
      "Approved": false,
      "Voided": false,
      "BatchNumber": null,
      "Acquirer": "103",
      "Amount": 3200,
      "TipAmount": 0,
      "CashbackAmount": 0,
      "LoyaltyRedemptionAmount": 0,
      "Installments": 0,
      "AuthCode": null,
      "OriginalRRN": null,
      "OriginalAuthCode": null,
      "CurrencyCode": 978,
      "CustomerReference": "c265b121-a5b7-4ff4-a14a-82399fde5678",
      "STAN": null,
      "TID": "01234002",
      "MID": "E000000101",
      "RRN": null
    },
    "InitialTransaction": null,
    "TransactionId": null,
    "id": "4857eab1-cdfe-4408-b8b6-efda8dfe8e07",
    "Void": false
  },
  {
    "Status": 1,
    "Result": 5,
    "TxnType": 0,
```

Version 3.0

Date: May 7, 2025

```
"Amount": 3200,
"TipAmount": 0,
"CurrencyCode": 978,
"Instalments": 0,
"CustomerReference": "c265b121-a5b7-4ff4-a14a-82399fde5678",
"Terminal": "01234002",
"CustomerEmail": "",
"CustomerPhone": "",
"Transaction": {
  "Id": "642e1334-0bd4-4a48-8289-361dd826de2b",
  "TxnType": 0,
  "Timestamp": "2024-08-22T16:15:20Z",
  "VoidTimestamp": null,
  "CardPAN": null,
  "Approved": false,
  "Voided": false,
  "BatchNumber": null,
  "Acquirer": "103",
  "Amount": 3200,
  "TipAmount": 0,
  "CashbackAmount": 0,
  "LoyaltyRedemptionAmount": 0,
  "Installments": 0,
  "AuthCode": null,
  "OriginalRRN": null,
  "OriginalAuthCode": null,
  "CurrencyCode": 978,
  "CustomerReference": "c265b121-a5b7-4ff4-a14a-82399fde5678",
  "STAN": null,
  "TID": "01234002",
  "MID": "E000000101",
  "RRN": null
},
"InitialTransaction": null,
"TransactionId": null,
"id": "5055d309-7cb9-4dc6-86cc-a50c47995e27",
"Void": false
},
{
  "Status": 3,
  "Result": 1,
  "TxnType": 0,
  "Amount": 3200,
  "TipAmount": 0,
  "CurrencyCode": 978,
  "Instalments": 0,
  "CustomerReference": "c265b121-a5b7-4ff4-a14a-82399fde5678",
  "Terminal": "01234002",
  "CustomerEmail": "",
  "CustomerPhone": "",
  "Transaction": {
    "Id": "3d699e7d-7e92-42b4-9b35-2fdbe4f036e9",
    "TxnType": 0,
```

Version 3.0

Date: May 7, 2025

```
    "Timestamp": "2024-08-22T16:26:33Z",
    "VoidTimestamp": null,
    "CardPAN": "559852*****1568",
    "Approved": true,
    "Voided": false,
    "BatchNumber": 1,
    "Acquirer": "138",
    "Amount": 3200,
    "TipAmount": 0,
    "CashbackAmount": 0,
    "LoyaltyRedemptionAmount": 0,
    "Installments": 0,
    "AuthCode": "555555",
    "OriginalRRN": null,
    "OriginalAuthCode": null,
    "CurrencyCode": 978,
    "CustomerReference": "c265b121-a5b7-4ff4-a14a-82399fde5678",
    "STAN": 1,
    "TID": "01234002",
    "MID": "E000000101",
    "RRN": "237399452594"
  },
  "InitialTransaction": null,
  "TransactionId": "138:237399452594:555555",
  "id": "56a884d6-ee63-4155-b6c9-cafd9fd375b1",
  "Void": false
},
{
  "Status": 3,
  "Result": 1,
  "TxnType": 1,
  "Amount": -3200,
  "TipAmount": 0,
  "CurrencyCode": 978,
  "Instalments": 0,
  "CustomerReference": "c265b121-a5b7-4ff4-a14a-82399fde5678",
  "Terminal": "01234002",
  "CustomerEmail": "",
  "CustomerPhone": "",
  "Transaction": {
    "Id": "d50f74c0-b8b9-42fb-ba23-c34b351074dc",
    "TxnType": 1,
    "Timestamp": "2024-08-22T16:27:38Z",
    "VoidTimestamp": null,
    "CardPAN": "559852*****1568",
    "Approved": true,
    "Voided": false,
    "BatchNumber": 1,
    "Acquirer": "138",
    "Amount": -3200,
    "TipAmount": 0,
    "CashbackAmount": 0,
    "LoyaltyRedemptionAmount": 0,
```

Version 3.0

Date: May 7, 2025

```
        "Installments": 0,
        "AuthCode": "888888",
        "OriginalRRN": "237399452594",
        "OriginalAuthCode": "555555",
        "CurrencyCode": 978,
        "CustomerReference": "c265b121-a5b7-4ff4-a14a-82399fde5678",
        "STAN": 1,
        "TID": "01234002",
        "MID": "E000000101",
        "RRN": "863320661463"
    },
    "InitialTransaction": {
        "Id": "3d699e7d-7e92-42b4-9b35-2fdbe4f036e9",
        "TxnType": 0,
        "Timestamp": "2024-08-22T16:26:33Z",
        "VoidTimestamp": null,
        "CardPAN": "559852*****1568",
        "Approved": true,
        "Voided": false,
        "BatchNumber": 1,
        "Acquirer": "138",
        "Amount": 3200,
        "TipAmount": 0,
        "CashbackAmount": 0,
        "LoyaltyRedemptionAmount": 0,
        "Installments": 0,
        "AuthCode": "555555",
        "OriginalRRN": null,
        "OriginalAuthCode": null,
        "CurrencyCode": 978,
        "CustomerReference": "c265b121-a5b7-4ff4-a14a-82399fde5678",
        "STAN": 1,
        "TID": "01234002",
        "MID": "E000000101",
        "RRN": "237399452594"
    },
    "TransactionId": "138:863320661463:888888",
    "id": "5b57d640-dd1e-48b7-86ef-063e9071b911",
    "Void": false
},
{
    "Status": 3,
    "Result": 1,
    "TxnType": 0,
    "Amount": 3200,
    "TipAmount": 0,
    "CurrencyCode": 978,
    "Instalments": 0,
    "CustomerReference": "c265b121-a5b7-4ff4-a14a-82399fde5678",
    "Terminal": "01234002",
    "CustomerEmail": "",
    "CustomerPhone": "",
    "Transaction": {
```

Version 3.0

Date: May 7, 2025

```
    "Id": "1a524a30-6aa8-421f-8e70-03fc6a30d4c2",
    "TxnType": 0,
    "Timestamp": "2024-08-23T20:38:12Z",
    "VoidTimestamp": null,
    "CardPAN": "559852*****1568",
    "Approved": true,
    "Voided": false,
    "BatchNumber": 1,
    "Acquirer": "138",
    "Amount": 3200,
    "TipAmount": 0,
    "CashbackAmount": 0,
    "LoyaltyRedemptionAmount": 0,
    "Installments": 0,
    "AuthCode": "555555",
    "OriginalRRN": null,
    "OriginalAuthCode": null,
    "CurrencyCode": 978,
    "CustomerReference": "c265b121-a5b7-4ff4-a14a-82399fde5678",
    "STAN": 1,
    "TID": "01234002",
    "MID": "E000000101",
    "RRN": "448076726198"
  },
  "InitialTransaction": null,
  "TransactionId": "138:448076726198:555555",
  "id": "5faa7e4f-bd75-474c-8ed2-74dd233aa48d",
  "Void": false
}
]
}
```

□

2.7.2. Get transaction intent by id

Request type: GET

Request URL: [base url]/transactionintent/{id}

2.8. Transaction Endpoints

2.8.1. Transaction List

The endpoint is used to list all transactions that have been successfully performed and accessible to the user. It is referenced by the "Transaction" and "InitialTransaction" fields of a transaction intent and can be used to provide more details about the transaction.

Request type: GET

Request URL: [base url]/transaction

Response parameters

Parameter	Type	Required	Comment
Id	string	yes	The unique identifier of the transaction for the POS backend.
TxnType	integer	yes	The transaction type.
Timestamp	string	yes	The transaction completion timestamp in iso-8601 format.
VoidTimestamp	string	no	The transaction void completion timestamp in iso-8601 format.
CardPAN	string	no	The truncated PAN of the card.
Approved	boolean	yes	True if transaction is Approved, false otherwise
Voided	boolean	yes	True if transaction is Voided, false otherwise
STAN	integer	yes	The System trace audit number of the transaction as set by the authorisation system
BatchNumber	integer	yes	The number of the batch this transaction belongs to
TID	string	yes	Terminal ID of the terminal that performed the transaction

Parameter	Type	Required	Comment
MID	string	yes	Merchant ID of the terminal that performed the transaction
Amount	integer	yes	The actual transaction amount in integer form. Ex. 1.00 euro is 100. Does not include any tip or cashback
TipAmount	integer	yes	The transaction tip amount in integer form. Ex. 1.00 euro is 100
CashbackAmount	integer	yes	The transaction cashback amount in integer form. Ex. 1.00 euro is 100
LoyaltyRedemptionAmount	integer	yes	The transaction loyalty redemption amount in integer form. Ex. 1.00 euro is 100
Instalments	integer	no	The number of instalments
RRN	string	yes	The retrieval reference number of the authorization system
AuthCode	string	yes	The authorization code of the authorization system
OriginalRRN	string	no	The RRN of the initial transaction - only applicable if TxnType = REFUND
OriginalAuthCode	string	no	The authorization code of the initial transaction - only applicable if TxnType = REFUND
CurrencyCode	string	yes	The ISO 4217 numeric currency code . 978 for EUR
CustomerReference	string	no	The customer defined reference used to reference the transaction in 3rd party systems. Maximum length of 50 characters

The total amount payable for a transaction is calculated as:

Amount + TipAmount + CashbackAmount + LoyaltyRedemptionAmount

The amount charged to the card excludes the loyalty amount redeemed from a loyalty system, so it is:

Amount + TipAmount + CashbackAmount

Version 3.0

Date: May 7, 2025

Filter parameters

- TxnType
- Timestamp_min
- Timestamp_max
- Timestamp_max
- Amount
- Amount_min
- Amount_max
- TipAmount
- TipAmount_min
- TipAmount_max
- CashbackAmount
- CashbackAmountt_min
- CashbackAmount_max
- Acquirer
- Terminal
- TID
- Merchant
- MID
- RRN
- AuthCode
- RRN
- OriginalRRN
- OriginalAuthCode
- CustomerReference

Request sample endpoint

<http://localhost:8080/transaction?Username=testuser>

Response sample

```
{
  "Count": 33,
  "Next": "http://localhost:8080/transaction/transaction?page=1&size=10",
  "Previous": null,
  "Results": [
    {
      "Id": "0fce6c02-faa8-4558-b89c-1004550c46b7",
      "TxnType": 0,
      "Timestamp": "2024-08-30T17:38:22Z",
      "VoidTimestamp": "2024-08-30T17:38:58Z",
      "CardPAN": "559852*****1568",
      "Approved": true,
      "Voided": true,
      "BatchNumber": 1,
    }
  ]
}
```

Version 3.0

Date: May 7, 2025

```
"Amount": 3200,
"TipAmount": 0,
"CashbackAmount": 0,
"LoyaltyRedemptionAmount": 0,
"Instalments": 0,
"AuthCode": "222222",
"OriginalAuthCode": null,
"CurrencyCode": 978,
"CustomerReference": "c265b121-a5b7-4ff4-a14a-82399fde5678",
"CreatedAt": "2024-08-30T14:38:16.000+00:00",
"UpdatedAt": "2024-08-30T14:38:59.000+00:00",
"STAN": 1,
"TID": "01234002",
"MID": "E000000101",
"RRN": "795159464390",
"OriginalRRN": null
},
{
  "Id": "1664e69e-ff40-4109-8c76-0243584f2d99",
  "TxnType": 0,
  "Timestamp": "2024-08-22T16:12:40Z",
  "VoidTimestamp": "2024-08-22T16:13:30Z",
  "CardPAN": "559852*****1568",
  "Approved": true,
  "Voided": true,
  "BatchNumber": 1,
  "Amount": 3200,
  "TipAmount": 0,
  "CashbackAmount": 0,
  "LoyaltyRedemptionAmount": 0,
  "Instalments": 0,
  "AuthCode": "555555",
  "OriginalAuthCode": null,
  "CurrencyCode": 978,
  "CustomerReference": "c265b121-a5b7-4ff4-a14a-82399fde5678",
  "CreatedAt": "2024-08-22T13:12:40.000+00:00",
  "UpdatedAt": "2024-08-22T13:13:31.000+00:00",
  "STAN": 1,
  "TID": "01234002",
  "MID": "E000000101",
  "RRN": "219264782296",
  "OriginalRRN": null
},
{
  "Id": "186a3975-b88e-4f47-ae55-765974fe9703",
  "TxnType": 0,
  "Timestamp": "2024-08-23T19:04:46Z",
  "VoidTimestamp": null,
  "CardPAN": null,
  "Approved": false,
  "Voided": false,
  "BatchNumber": null,
  "Amount": 3200,
```

Version 3.0

Date: May 7, 2025

```
"TipAmount": 0,
"CashbackAmount": 0,
"LoyaltyRedemptionAmount": 0,
"Instalments": 0,
"AuthCode": null,
"OriginalAuthCode": null,
"CurrencyCode": 978,
"CustomerReference": "c265b121-a5b7-4ff4-a14a-82399fde5678",
"CreatedAt": "2024-08-23T16:04:46.000+00:00",
"UpdatedAt": "2024-08-23T16:04:46.000+00:00",
"STAN": null,
"TID": "01234002",
"MID": "E000000101",
"RRN": null,
"OriginalRRN": null
},
{
  "Id": "1a524a30-6aa8-421f-8e70-03fc6a30d4c2",
  "TxnType": 0,
  "Timestamp": "2024-08-23T20:38:12Z",
  "VoidTimestamp": null,
  "CardPAN": "559852*****1568",
  "Approved": true,
  "Voided": false,
  "BatchNumber": 1,
  "Amount": 3200,
  "TipAmount": 0,
  "CashbackAmount": 0,
  "LoyaltyRedemptionAmount": 0,
  "Instalments": 0,
  "AuthCode": "555555",
  "OriginalAuthCode": null,
  "CurrencyCode": 978,
  "CustomerReference": "c265b121-a5b7-4ff4-a14a-82399fde5678",
  "CreatedAt": "2024-08-23T17:38:08.000+00:00",
  "UpdatedAt": "2024-08-23T17:38:13.000+00:00",
  "STAN": 1,
  "TID": "01234002",
  "MID": "E000000101",
  "RRN": "448076726198",
  "OriginalRRN": null
},
{
  "Id": "1c671b18-53d2-45ce-b749-5f853b5ae2fb",
  "TxnType": 0,
  "Timestamp": "2024-08-23T20:41:26Z",
  "VoidTimestamp": null,
  "CardPAN": null,
  "Approved": true,
  "Voided": false,
  "BatchNumber": null,
  "Amount": 3200,
  "TipAmount": 0,
```

Version 3.0

Date: May 7, 2025

```
"CashbackAmount": 0,
"LoyaltyRedemptionAmount": 0,
"Instalments": 0,
"AuthCode": null,
"OriginalAuthCode": null,
"CurrencyCode": 978,
"CustomerReference": "c265b121-a5b7-4ff4-a14a-82399fde5678",
"CreatedAt": "2024-08-23T17:41:27.000+00:00",
"UpdatedAt": "2024-08-23T17:41:27.000+00:00",
"STAN": null,
"TID": "01234002",
"MID": "E000000101",
"RRN": null,
"OriginalRRN": null
},
{
  "Id": "35a3e0c7-77bb-423e-ae0e-5c744f62b58e",
  "TxnType": 0,
  "Timestamp": "2024-09-05T18:01:59Z",
  "VoidTimestamp": null,
  "CardPAN": "559852*****1568",
  "Approved": true,
  "Voided": false,
  "BatchNumber": 1,
  "Amount": -3200,
  "TipAmount": 0,
  "CashbackAmount": 0,
  "LoyaltyRedemptionAmount": 0,
  "Instalments": 0,
  "AuthCode": "777777",
  "OriginalAuthCode": null,
  "CurrencyCode": 978,
  "CustomerReference": "c265b121-a5b7-4ff4-a14a-82399fde5678",
  "CreatedAt": "2024-09-05T15:01:56.000+00:00",
  "UpdatedAt": "2024-09-05T15:02:00.000+00:00",
  "STAN": 1,
  "TID": "01234002",
  "MID": "E000000101",
  "RRN": "816631611855",
  "OriginalRRN": null
},
{
  "Id": "39cb630f-05ba-420c-9ef7-0bc8fdbfa7d6",
  "TxnType": 1,
  "Timestamp": "2024-08-30T17:42:07Z",
  "VoidTimestamp": null,
  "CardPAN": null,
  "Approved": false,
  "Voided": false,
  "BatchNumber": null,
  "Amount": 3200,
  "TipAmount": 0,
  "CashbackAmount": 0,
```

Version 3.0

Date: May 7, 2025

```
"LoyaltyRedemptionAmount": 0,
"Instalments": 0,
"AuthCode": null,
"OriginalAuthCode": null,
"CurrencyCode": 978,
"CustomerReference": "c265b121-a5b7-4ff4-a14a-82399fde5678",
"CreatedAt": "2024-08-30T14:42:08.000+00:00",
"UpdatedAt": "2024-08-30T14:42:08.000+00:00",
"STAN": null,
"TID": "01234002",
"MID": "E000000101",
"RRN": null,
"OriginalRRN": null
},
{
  "Id": "3d699e7d-7e92-42b4-9b35-2fdb4f036e9",
  "TxnType": 0,
  "Timestamp": "2024-08-22T16:26:33Z",
  "VoidTimestamp": null,
  "CardPAN": "559852*****1568",
  "Approved": true,
  "Voided": false,
  "BatchNumber": 1,
  "Amount": 3200,
  "TipAmount": 0,
  "CashbackAmount": 0,
  "LoyaltyRedemptionAmount": 0,
  "Instalments": 0,
  "AuthCode": "555555",
  "OriginalAuthCode": null,
  "CurrencyCode": 978,
  "CustomerReference": "c265b121-a5b7-4ff4-a14a-82399fde5678",
  "CreatedAt": "2024-08-22T13:26:33.000+00:00",
  "UpdatedAt": "2024-08-22T13:26:33.000+00:00",
  "STAN": 1,
  "TID": "01234002",
  "MID": "E000000101",
  "RRN": "237399452594",
  "OriginalRRN": null
},
{
  "Id": "3d86e3d3-8f35-438d-9d59-ca31abcf8c5d",
  "TxnType": 0,
  "Timestamp": "2024-08-30T17:23:09Z",
  "VoidTimestamp": null,
  "CardPAN": "559852*****1568",
  "Approved": true,
  "Voided": false,
  "BatchNumber": 1,
  "Amount": 3200,
  "TipAmount": 0,
  "CashbackAmount": 0,
  "LoyaltyRedemptionAmount": 0,
```

Version 3.0

Date: May 7, 2025

```
    "Instalments": 0,
    "AuthCode": "333333",
    "OriginalAuthCode": null,
    "CurrencyCode": 978,
    "CustomerReference": "c265b121-a5b7-4ff4-a14a-82399fde5678",
    "CreatedAt": "2024-08-30T14:22:55.000+00:00",
    "UpdatedAt": "2024-08-30T14:23:39.000+00:00",
    "STAN": 1,
    "TID": "01234002",
    "MID": "E000000101",
    "RRN": "451986282024",
    "OriginalRRN": null
  },
  {
    "Id": "4b625d84-8b82-49e0-a099-890cc7214552",
    "TxnType": 0,
    "Timestamp": "2024-08-30T17:39:43Z",
    "VoidTimestamp": null,
    "CardPAN": null,
    "Approved": false,
    "Voided": false,
    "BatchNumber": null,
    "Amount": 3200,
    "TipAmount": 0,
    "CashbackAmount": 0,
    "LoyaltyRedemptionAmount": 0,
    "Instalments": 0,
    "AuthCode": null,
    "OriginalAuthCode": null,
    "CurrencyCode": 978,
    "CustomerReference": "c265b121-a5b7-4ff4-a14a-82399fde5678",
    "CreatedAt": "2024-08-30T14:39:43.000+00:00",
    "UpdatedAt": "2024-08-30T14:39:44.000+00:00",
    "STAN": null,
    "TID": "01234002",
    "MID": "E000000101",
    "RRN": null,
    "OriginalRRN": null
  }
]
```

2.8.2. Get transaction by id

Request type: GET

